

Weekly Report

12/21/2015 - 12/27/2015

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Summary

This week I have made something. First, I completed the model of our netease work with Lan Ji using the survival model which is used in another paper about networks. Second, I accomplish the Java exercise for this week, it's about the gift problem and broken necklace. Third, I went on with the weibo data. Some difficulties is that the contents of those weibo are all written by script, and need to be change to usual form. That's a challenge and I learned from net to overcome it, but just not success. Finally, I searched on google for the papers about visualization tools and downloaded them. I also viewed the paper which is written by Ma Yuxin to learn its form, structure and so on.

To do list

Next week, I will go back home. The first two day, I will try to make the task of weibo completed. I have some achievement about it. If I can't make it before I backing home, I'll make it in home continue. The other works will go on in home, like Java practicing, English learning and the most important outline writing.

Appendix

The codes of Java

```

/*
ID: strongl1
LANG: JAVA
TASK: gift1
*/

import java.io.*;
import java.util.*;

public class gift1 {

    public static void main(String[] args) throws IOException {
        // TODO Auto-generated method stub
        BufferedReader f = new BufferedReader(new FileReader("gift1.in"));
        PrintWriter out = new PrintWriter(new BufferedWriter(new
FileWriter("gift1.out")));
        StringTokenizer st= new StringTokenizer(f.readLine());
        int N=Integer.parseInt(st.nextToken());
        int i,j,k,sum,n,each;
        String str,str2;
        int[] gift=new int[10];
        String[] name=new String[10];
        for(i=0;i<N;i++)
            name[i]=f.readLine();
        while((str=f.readLine())!=null)
        {
            for(i=0;i<N;i++)
                if(name[i].equalsIgnoreCase(str))
                {
                    StringTokenizer st2= new StringTokenizer(f.readLine());
                    sum=Integer.parseInt(st2.nextToken());
                    n=Integer.parseInt(st2.nextToken());
                    if(n!=0)
                        each=sum/n;
                    else
                        each=0;
                    gift[i]+=-each*n;

                    for(j=1;j<=n;j++)
                    {
                        str2=f.readLine();

```

```

        for(k=0;k<N;k++)
        if(name[k].equalsIgnoreCase(str2))
        {
            gift[k]+=each;k++;
        }
    }
}

for(i=0;i<N;i++)
{
    out.print(name[i]);
    out.print(' ');
    out.print(gift[i]);
    out.print('\n');
}

f.close();
out.close();
}

}

/*
ID: strongl1
LANG: JAVA
TASK: beads
*/

import java.io.*;
import java.util.*;

public class beads {

    public static void main(String[] args) throws IOException{
        // TODO Auto-generated method stub
        BufferedReader f = new BufferedReader(new FileReader("beads.in"));
        PrintWriter out = new PrintWriter(new BufferedWriter(new
        FileWriter("beads.out")));
    }
}

```

```

StringTokenizer st= new StringTokenizer(f.readLine());
int n=Integer.parseInt(st.nextToken());
String str=f.readLine();
char[] nl=new char[350];
char[] nlh=new char[350];
char[] nlt=new char[350];
int i,j,k1,k2,k,h,t,max;
max=0;
nl=str.toCharArray();
for(i=0;i<n;i++)
{
    h=0;t=0;
    for(j=0;j<n;j++)
        nlh[j]=nl[(j+i)%n];
    for(j=0;j<n;j++)
        nlt[j]=nlh[n-j];
    k1=0;k2=0;
    while(nlh[k1]=='w')
    {
        h++;k1++;
    }
    while(nlt[k2]=='w')
    {
        t++;k2++;
    }

    if(nlh[k1]=='r')
        while(nlh[k1]=='r' || nlh[k1]=='w')
        {
            h++;k1++;
        }
    else
        while(nlh[k1]=='b' || nlh[k1]=='w')
        {
            h++;k1++;
        }

    if(nlt[k2]=='r')
        while(nlh[k2]=='r' || nlh[k2]=='w')
        {
            t++;k2++;
        }
    else
        while(nlt[k2]=='b' || nlh[k2]=='w')

```

```
        {
            t++;k2++;
        }

        k=h+t;
        if(max<=k)
            max=k;
    }
    out.println(max);
    f.close();out.close();
}

}
```